

INTERNATIONAL COURSES ON PRODUCTION AND USE OF CSEB

A one-week intensive course for the School of Architecture of La Cambre-Belgium was especially organised in August (16th to 21st). This course was also opened to other people and 10 trainees from 4 countries participated to the course.

Our two-week regular course was conducted in September (13th to 25th) and only 6 people from 4 Countries attended this course.

Participants for both courses were coming from these countries:

4 Indians, 1 German, 6 Belgians, 1 Luxembourgian, 2 Koreans, 1 Israeli and 1 French

Trainees learnt all basics of soil identification and stabilisation, as well as design guidelines and all quality control details. They also produced many kinds of blocks with the Auram Press 3000. They also enjoyed building various techniques with stabilised earth developed by the Auroville Earth Institute.

ONE-WEEK PROGRAMME – PRODUCTION OF CSEB	ONE-WEEK PROGRAMME – MASONRY WITH CSEB
<ul style="list-style-type: none"> - Earth architecture in the world - Building with earth in Auroville - Sustainability and environmental friendliness - Management of resources - Basic data on CSEB – Raw material - Soil identification (field tests) and improvement principles - Soil stabilization principles and calculation - Blockyard organisation – Quality control principles - Cost analysis & economic feasibility study - Production of compressed stabilised earth blocks 	<ul style="list-style-type: none"> - Introduction to particular earth techniques - Soil identification – Tests for mortar – Mortar quality - Bonds and design guidelines for CSEB - Building a basement, a plinth beam with U blocks - Casting a plinth beam - Building composite columns, lintels and beams - Introduction to stabilised rammed earth foundations - Introduction to stabilised rammed earth walls - Introduction for building arches, vaults and domes



1-mixing-humid



2-handling-block



3-penetrometer



4-class-quality-control



5-ramming-foundation



6-casting-plinth-beam



7-mortar test



8-mortar test



9-ramming-wall



10-rammed-earth-wall



11-steel-lintel



12-casting-lintel



13-steel-column



14-casting-column